

# 2013 Public Annual Report Toxic Substance Reduction Act Lofthouse Manufacturing Inc.

## Version Control

Version	Date	Revision Description	Submitted by
1.0	May 29, 2014	Initial report issued	Ron Taylor
2.0	May 25, 2016	Updated Certification signature	Ron Taylor

### 1.0 Basic Facility Information

Lofthouse Manufacturing Inc. is a precision forging and machining manufacturer of brass valves and parts for various markets including automotive, electrical, plumbing, recreational vehicles and valves.

Basic Facility Information			
The legal and trade names of the owner and the operator of the facility, the street address of the facility and if the mailing address of the facility is different from the street address, the mailing address. (See below)		Lofthouse Manufacturing Inc. 500 Ontario Street North Burke Falls, Ontario POA 1C0	
Facility NPRI identification number		332113	
The identification number assigned to the facility by the Ministry of the Environment for the purposes of Ontario Regulation 127/01		N.A.	
Number of full-time employee equivalents		34	
North American Industry Clarification System (NAICS) 2, 4, and 6 digit codes		33	3362 336211
Spatial Coordinates		UTM 5054115.00N, 624014.00E, 17T	
Contact Information			
Role	Name	Position	Contact information
Coordinated preparation of plan	Dave Wilde	Project Coordinator	705-382-3637, EX 287 dwilde@lofthouse.ca
Prepared plan	Dave Wilde	Project Coordinator	705-382-3637, EX 287 dwilde@lofthouse.ca
Public contact	Dave Wilde	Project Coordinator	705-382-3637, EX 287 dwilde@lofthouse.ca
Highest Ranking Employee	Darwin Dunn	General Manager	
Legal name of Canadian parent company if facility is a subsidiary of a Canadian parent company			N.A.
Substances Requiring Plans			
Substance			Copper
CAS Number			7440-50-8
Units			Tonnes
On a facility-wide basis			
Amount that entered the facility as the substance itself or as a constituent of another substance:			2817
The amount that was created:			0
The amount that was contained in product:			1270
The amount of substance released to air:			0
The amount of substance released to land:			0
The amount of substance released to water:			0

The amount of substance disposed onsite:	0
The amount of substance disposed offsite:	0
The amount of substance transferred offsite for treatment:	0
The amount of substance transferred offsite for recycling:	1547
Substance	Zinc
CAS Number	7440-66-66
Units	Tonnes
On a facility-wide basis	
Amount that entered the facility as the substance itself or as a constituent of another substance:	1778
The amount that was created:	0
The amount that was contained in product:	822
The amount of substance released to air:	0
The amount of substance released to land:	0
The amount of substance released to water:	0
The amount of substance disposed onsite:	0
The amount of substance disposed offsite:	0
The amount of substance transferred offsite for treatment:	0
The amount of substance transferred offsite for recycling:	956

Based on our review of the NAICS code and contaminants reported under NPRI, reporting will be required under the Toxic Reduction Act (TRA) O.Reg. 125/10. The TRA includes all the substances listed in the NPRI given under the Canadian Environmental Protection Act. The act applies to all Ontario manufacturing facilities that are required to provide information to NPRI and/or report under O.Reg. 127/01 for acetone.

As part of Phase II of the TRA, all of substances listed on NPRI Notice for 2012 and 2013 plus acetone are required to be considered for the 2013 annual reporting. Based on exp's review of the NPRI, Lofthouse is required to report for two (2) substances: Copper and Zinc.

## 2.0 Facility's approach to toxic substance accounting

As required by the Toxic Reduction Act, a summary of toxic substance accounting from the facility must be shared annually with the public. The amounts used, recycled off-site and contained in finished products are listed below.

Total Copper in raw materials: 2,817 tonnes  
Total Zinc in raw materials: 1,778 tonnes

Total amount of Copper recycled: 1547 tonnes  
Total amount of Zinc recycled: 956 tonnes

Total Copper contained within finished products: 1270 tonnes  
Total Zinc contained within finished products: 822 tonnes

## 3.0 Facility's objectives and targets

Lofthouse Manufacturing Inc. does not intend to reduce its use of copper and zinc since it is a client specification for the products manufactured, however we are committed to ensuring it is manufactured in the most responsible and efficient way possible.

At this time, there are no specific targets for reduction, however, as is our standard practice, we will continue to meet regularly with our staff and look for opportunities to reduce our use of Copper and Zinc.

#### 4.0 Facility's progress in reducing toxic substances

The facility's progress in reducing each reportable substance must also be provided to the public. This involves comparing the quantities of substances used, created, contained in product, released, disposed of and transferred to the results of the previous calendar year. This comparison between 2013 and 2012 quantities is provided below in Figures 1 and 2. The observed increases in quantities between 2012 and 2013 is due to an increase in production levels.

**Figure 1: Comparison Report - Enters, Creation, Contained in Product**

CAS RN	Substance Name	Is Breakdown	Category	Quantity	Last Reported Quantity	Reporting Period of Last Reported Quantity	Change	% Change
NA - 06	Copper (and its compounds)	No	Enters the facility (Use)	2817 tonnes	2273 tonnes	2012	544	23.93
NA - 06	Copper (and its compounds)	No	Creation	0 tonnes	0 tonnes	2012	0	
NA - 06	Copper (and its compounds)	No	Contained	1270 tonnes	991 tonnes	2012	279	28.15
NA - 14	Zinc (and its compounds)	No	Enters the facility (Use)	1778 tonnes	1431 tonnes	2012	347	24.25
NA - 14	Zinc (and its compounds)	No	Creation	0 tonnes	0 tonnes	2012	0	
NA - 14	Zinc (and its compounds)	No	Contained	822 tonnes	642 tonnes	2012	180	28.04

**Figure 2: Comparison Report - Transfers off-site for Recycling**

CAS RN	Substance Name	Is Breakdown	Category	Quantity	Last Reported Quantity	Reporting Period of Last Reported Quantity	Change	% Change
NA - 06	Copper (and its compounds)	No	Total off-site Transfers for Recycling	1547 tonnes	1282 tonnes	2012	265	20.67
NA - 14	Zinc (and its compounds)	No	Total off-site Transfers for Recycling	956.0 tonnes	789 tonnes	2012	167.0	21.17

## 5.0 Progress of Plan Implementation

An assessment of the facility's progress in implementing its plan is the final requirement which must be reported to the public. This section must indicate whether the facility has achieved any of its plan objectives.

As per the TRA Plan, Lofthouse Manufacturing Inc. does not intend to reduce its use of copper and zinc since it is a client specification for the products manufactured, however we are committed to ensuring it is manufactured in the most responsible and efficient way possible.

## 6.0 Certification

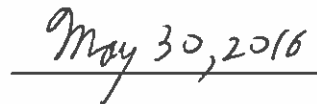
### Certification by Highest Ranking Employee

As of \_\_\_\_\_, I, Darwin Dunn, certify that I have read the toxic substance reduction plans for the toxic substances referred to below and am familiar with their contents, and to my knowledge the plans are factually accurate and comply with the *Toxics Reduction Act, 2009* and Ontario Regulation 455/09 (General) made under that Act.

Toxic Substances: Copper and Zinc.



Darwin Dunn  
General Manager



### Certification by Licensed Planner

As of May 25, 2016, I, Ronald Taylor certify that I am familiar with the processes at Lofthouse Manufacturing Inc. that use or create the toxic substances referred to below, that I agree with the estimates referred to in subparagraphs 7 iii, iv and v of subsection 4 (1) of the *Toxics Reduction Act, 2009* that are set out in the toxic substance reduction plans referred to below for the toxic substances and that the plans comply with that Act and Ontario Regulation 455/09 (General) made under that Act.

Toxic Substances: Copper and Zinc.



Ronald Taylor  
Senior Project Manager  
exp Services Inc.  
TSRP license No. TSRP0027

May 25, 2016